

**Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**Title V
AIR QUALITY PERMIT
Issued Under 401 KAR 52:020**

Permittee Name: Sun Chemical Corporation, Wurtland Facility
Mailing Address: 100 Wurts Road, Wurtland Kentucky 41144-1453

Source Name: Sun Chemical Corporation, Wurtland Facility
Mailing Address: Same as above

Source Location: near Wurtland, Kentucky

Permit Number: V-99-010 (Revision 2)
Log No. (Rev 2): 55749 & 53161
Review Type: Title V, NSPS, Synthetic Minor
Source ID #: 21-089-00032
SIC Code: 2865/Pigment Intermediate Manufacturers

Regional Office: Ashland Regional Office
1550 Wolohan Drive, Suite #1
Ashland, KY 41102
(859) 929-5285

County: Greenup

Application
Complete Date: December 23, 1998
Issuance Date: September 30, 1999
Revision Date: November 7, 2003
Expiration Date: September 30, 2004

**John S. Lyons, Director
Division for Air Quality**

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| Rev # | Permit Type | Log # | Complete Date | Issuance Date | Summary of Action |
|------------------|---------------------------------|--------------------------------------------|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------|
| ---- | Initial Issuance | F800 | 12/23/98 | 9/30/99 | ----- |
| 1 | Significant Revision | 51548 | 12/5/00 | 4/3/01 | Increase annual production limit from 6600 tpy to 8000 tpy |
| 2 | Significant Revision | 55749 55349 & 53161 | 7/1/03 | 11/07/03 | Increase annual production limit from 8000 tpy to 11000 tpy, and updated permit template |

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application, which was determined to be complete on December 23, 1998, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

(1) UTILITIES - BOILERS:

| EIS No. | Vent ID | Indirect Heat Exchanger ID | Make/Model | Date of construction | Maximum Rated Capacity (Fuels used) |
|---------|---------|----------------------------|----------------------------------------------------|----------------------|------------------------------------------------------|
| 001 | 1 | B-1 | Boiler-Burnham Model No. 3P-500 450 hp | 10/17/90 | 20.92 mmBTU/hr (Natural Gas) (Fuel Oil #2) |
| 002 | 2 | B-2 | Boiler-Burnham Model No. 3P-500 450 hp | 10/17/90 | 20.92 mmBTU/hr (Natural Gas) (Fuel Oil #2) |
| 003 | 3 | HO-1 | Thermal Fluid Heater Model No. TJH-C-12.5 | 10/17/90 | 13.32 mmBTU/hr (Natural Gas) (Fuel Oil #2) |
| 004 | 4 | HO-2 | Thermal Fluid Heater Model No. TJH-C-12.5 | 10/17/90 | 13.32 mmBTU/hr (Natural Gas) (Fuel Oil #2) |
| 007* | 5 | WHB | Custom Build Noxidizer with Waste Heat Recovery | 10/17/90 | 10.0 mmBTU/hr (Natural Gas) (ammonia) |

*Only requirements for the Waste Heat Recovery system will be listed in this section.

APPLICABLE REGULATIONS:

1. Regulation 401 KAR 59:015 *New indirect heat exchangers constructed on or before April 9, 1972* applies to the particulate, sulfur dioxide and visible emissions.
2. Regulation 401 KAR 60:043 (40 CFR 60 Subpart Dc) *Standards of performance for small industrial-commercial-institutional steam generating units that commences construction, modification, or reconstruction after June 9, 1989* applies to the particulate and sulfur dioxide emissions.

The source has elected to accept a limit on SO₂ emissions to preclude 401 KAR 51:017 *Prevention of significant deterioration of air quality*.

1. **Operating Limitations:** Pursuant to 40 CFR 60 Subpart Dc, Section 60.42c(h), no oil that contains greater than 0.5 weight percent sulfur shall be combusted.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (continued)

Compliance Demonstration Method: Records as specified by **Condition 5 Specific Recordkeeping Requirements.**

2. Emission Limitations:

Pursuant to Regulation 401 KAR 59:015 and 401 KAR 60:043

- a. For natural gas combustion:
 - i. Emissions of particulate matter shall not exceed 0.345 lb/mmBTU.
 - ii. Emissions of sulfur dioxide shall not exceed 1.29lb/mmBTU.
 - iii. The opacity of visible emissions shall not exceed 20%.
- b. For fuel oil #2 combustion:
 - i. Emissions of particulate matter shall not exceed 0.1 lb/mmBTU.
 - ii. The sulfur content of the fuel oils shall not exceed 0.5 percent by weight.
 - iii. The opacity of visible emissions shall not exceed 20% except
 - (a) Pursuant to Regulations 401 KAR 59:015, Section 4(2)(b), a maximum of 40% opacity is permissible for not more than 6 consecutive minutes in any 60 consecutive minute period during cleaning the fire box or blowing soot.
 - (b) Pursuant to Regulations 401 KAR 59:015 Section 4(2)(c), the opacity standard does not apply during building a new fire for the period required to bring the boiler up to operating conditions, provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.
 - (c) Pursuant to Regulation 401 KAR 50:055, Section 2(4), the opacity standard does not apply during periods of startup and shutdown.

Compliance Demonstration Methods:

- a. For sulfur content limits:

The permittee shall demonstrate compliance with the sulfur content limits through either:

 - i. Fuel oil sampling - the oil in each fuel oil tank shall be sampled after each new shipment of oil is received as described in 40 CFR 60.46c (d)(2);
 - ii. Fuel oil supplier certification - the permittee shall maintain fuel oil receipts as specified in 40 CFR 60.49b (r).
- b. For the particulate matter standards:

Compliance with emission standards shall be demonstrated through each unit, burning only the fuels specified in this permit. The permittee shall keep records of the type(s) of fuel burned.
- c. For visible emissions:

For each boiler, no compliance demonstration is necessary while natural gas and fuel oil #2 are the fuels burned except for each boiler the permittee shall maintain records of the occurrence and duration of each incident of fire box cleaning, soot blowing, fire building, startup, and shutdown.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

3. Testing Requirements:

- a. The permittee shall demonstrate compliance with the sulfur dioxide emission limits for fuel oil #2 combustion through fuel supplier certification of the fuel sulfur content.
- b. If fuel oil sampling is performed, the sampling shall be performed in accordance with the procedures described in 40 CFR 60.46c (d)(2).

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the following information:

- a. The monthly (calendar month) fuel usage rate (cubic feet/month or gallons per month) of each of the fuels (natural gas and fuel oils #6) listed previously for each boiler.
- b. The sulfur content of each type of fuel oil burned.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following information:

- a. The maximum design heat input capacity of each of the boilers.
- b. The sulfur content of fuel oil used. If fuel oil supplier certification is used to demonstrate compliance with the sulfur content limits, the records shall contain the following information:
 - i. The name of the oil supplier.
 - ii. A statement from the oil supplier certifying the sulfur content of the oil.
- c. Pursuant to 40 CFR 60 Subpart Dc, Section 60.48c(g), the permittee shall record the combined amount of natural gas combusted in all boilers during each day.
- d. Pursuant to 40 CFR 60 Subpart Dc, Section 60.48c(g), the permittee shall record the combined amount of fuel oil combusted in all boilers during each day.
- e. Pursuant to 40 CFR 60 Subpart Dc, Section 60.48c(e), the permittee shall retain records of the quarterly reports required by Section 60.48c(d).
- f. Pursuant to 40 CFR 60 Subpart A, Section 60.7(b), and Regulation 401 KAR 59:005, Section 3(2), the permittee shall record the occurrence and duration of any startup, shutdown, or malfunction in the operation of the indirect heat exchanger.

6. Specific Reporting Requirements:

Pursuant to 40 CFR 60 Subpart Dc, Sections 60.48c(d), (e)(11), and (f), the permittee shall submit quarterly reports to the Ashland Regional Office. Each quarterly report shall be postmarked by the 30th day following the end of the reporting period, and shall include the following information:

- a. Fuel supplier certification, as described in Monitoring Condition 4(b); and
- b. A statement signed by the owner or operator that the records of fuel supplier certification submitted represents all of the fuel oil combusted during the quarter.

7. Specific Control Equipment Operating Conditions: N/A

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

(2) STORAGE TANKS

| KY EIS | Tank ID | Capacity (gallons) | Type | Description | Vent ID | Significant? |
|---------|---------|--------------------|----------------------|------------------------|---------|--------------|
| 006 | T-75 | 14,366 | Vertical, Fixed Roof | Solvent Storage | 5 | Y |
| 006 | T-80 | 14,366 | Vertical, Fixed Roof | Solvent Storage | 5 | Y |
| 010 (1) | T-60 | 16,000 | Vertical, Fixed Roof | 50% Caustic | 9 | N |
| 010 (3) | T-85 | 14,400 | Vertical, Fixed Roof | Sulfuric acid | 11 | N |
| 010 (2) | T-65 | ----- | Vertical, Fixed Roof | Sodium Sulphydrate | 10 | N |
| 009 | T-45 | 6,000 | Vertical, Fixed Roof | Wastewater Col | 8 | N |
| 009 | T-50 | 20,000 | Vertical, Fixed Roof | ww equalization | 8 | N |
| 009 | T-55 | 20,000 | Vertical, Fixed Roof | ww equalization | 8 | N |
| 009 | T-56 | 30,000 | Vertical, Fixed Roof | ww collection | 8 | N |
| 009 | T-58 | 7,000 | Vertical, Fixed Roof | sludge collection | 8 | N |
| 009 | T-61 | 4,000 | Vertical, Fixed Roof | ww contact | 8 | N |
| 009 | T-70 | 17,300 | Vertical, Fixed Roof | ww backwash | 8 | N |
| 009 | T-71 | 30,000 | Vertical, Fixed Roof | ww backwash | 8 | N |
| 006 | T-72 | 13,000 | Vertical, Fixed Roof | ww collection/stripper | 5 | N |
| 009 | T-73 | ---- | Vertical, Fixed Roof | ww collection | 8 | N |
| 009 | T-21 | 7,000 | Vertical, Fixed Roof | Sludge Tank | 8 | N |

APPLICABLE REGULATIONS:

1. Regulation 401 KAR 59:485 (40 CFR 60 Subpart Kb) *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984* applies to T-75 and T-80.
2. Regulation 401 KAR 59:485 (40 CFR 60 Subpart Kb) does not apply to any wastewater, caustic or acid tanks, as they are not in VOC service.
3. Regulation 401 KAR 63:021 *Existing sources emitting toxic air pollutants* applies to T-75 and T-80.
4. Regulation 401 KAR 59:050 *New storage vessels for petroleum liquids* does not apply as no petroleum liquid is being stored on-site.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

1. **Operating Limitations:** None

2. **Emission Limitations:** None

3. **Testing Requirements:** None

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:**

- a. Pursuant to 40 CFR 60.116b (b), for each of the tanks listed above that is subject to 40 CFR 60 Subpart Kb. The permittee shall keep readily accessible records showing the dimensions of the tank and an analysis showing the capacity of the tank. The records shall be kept for the life of the tank.

(State Origin Requirement)

- b. Pursuant to 401KAR 63:021, the permittee shall maintain a weekly log of presence of a water head on tanks T-75 and T-80.

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** **(State Origin Requirement)**

Pursuant to 401KAR 63:021, T-75 and T-80 shall be maintained under a water head when solvent is being stored.

Compliance Demonstration Method: Permittee shall maintain records of periods when solvent is being stored. Weekly records shall be kept of the water head depth.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

(3) PRODUCTION:

| KY EIS | ID | Description | Vent ID |
|---------|----------------|---------------------------------------------------|---------|
| 005 (1) | (R-1 thru 6) | 6 - 4,000 gallon Glass Lined Reactors | 5 |
| 005 (1) | (RFC-1 thru 6) | 6 - 500 ft ² Reactor Reflux Condensers | 5 |
| 005 (1) | (T-1 thru 6) | 6 - 500 gallon Condenser Decanter Tanks | 5 |
| 005 (1) | (T-10) | 1 - 4,000 gallon Mix Tank | 5 |
| 005 (4) | (T-20) | 1 - 5,000 gallon Dump Tank | 5 |
| 005 (1) | (RVD-1 thru 6) | 6 - 330 ft ³ Rotary Vacuum Dryers | 5 |
| 005 (1) | (VC-1 thru 6) | 6 - 500 ft ² Vacuum Dryer Condensers | 5 |
| 005 (1) | (VR-1 thru 6) | 6 - 4,000 gallon Vacuum Receiver Tanks | 5 |
| 005 (1) | (P-1) | 1 -150 hp Vacuum Pump | 5 |
| 005 (1) | (P-2) | 1 - 200 hp Vacuum Pumps | 5 |
| 005 (1) | (VC-7) | 1 - 500 ft ² Gas Cooler | 5 |
| 005 (1) | (VR-7) | 1 - 2,000 gallon Moisture Receiver | 5 |
| 005 (3) | (PT-1 thru 3) | 3 - 20,000 gallon Purification Tanks | 5 |
| 005 (3) | (FP-1 thru 3) | 3 - Horizontal Chamber Plate Filter Presses | 5 |
| 005 (3) | (ST-1 thru 3) | 3 - 4,500 gallon Reslurry Tanks | 5 |
| 005 (3) | (T-30) | 1 - 7,500 gallon Product Slurry Hold Tank | 5 |
| 005 (2) | (FD-1 thru 2) | 2 - Wet Cake Semicontinuous Rotary Dryers | 5 |
| 005 (3) | (RB-1 thru 2) | 2 - 500 ft ³ Ribbon Blenders | 5 |
| 005 (2) | (PO-1) | 1 - Product Pack-out Station | 5 |
| 005 (3) | (VP-1 thru 2) | 2 - Vertical Belt Filter Press | 5 |
| 005 (3) | (VPH-1 thru 2) | 2 - Vertical Belt Filter Press Hydraulic Tank | 5 |
| 005 (1) | (T-35) | 1 - Knock-out Tank | 5 |
| 005 (3) | | Associated pipeline equipment | 5 |

| Control Equipment |
|-----------------------------------|
| Dual Bed Carbon Adsorption System |
| Ammonia Thermal Oxidation System |
| Pulse Jet Fabric Filters |

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)**APPLICABLE REGULATIONS:**

1. Regulation 401 KAR 63:021 *Existing sources emitting toxic air pollutants.*
2. Regulation 401 KAR 59:010 *New Process Operations* constructed after July 2, 1975.

Exemptions

1. The reactors listed above are exempt from Regulation 401 KAR 60:700 and 401 60:480 since they are part of a process unit that does not produce any of the chemicals listed under those regulations.
2. The tanks listed above are exempt from 401 KAR 59:485. *Standards of performance for volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984* as no volatile organic liquids are being stored.

1. Operating Limitations:

- a. Pursuant to 401 KAR 63:021 and Agreed Order #DAQ-17972-114, production rate of Copper Phthalocyanine Crude Blue shall not exceed 11,000 tons/year for any consecutive twelve months.
- b. The thermal oxidation system shall only be used for the combustion of gaseous waste streams emanating from the process equipment. The thermal oxidation system shall not be used for the combustion of any liquid waste streams.
- c. In the case of a malfunction of the reflux condenser system, the carbon adsorption system, or the ammonia thermal oxidation system, the vapor flow from the process shall be as rapidly as possible in a manner to be protective of human health and safety, locked within the process vessel. In the case of a malfunction of the reflux condenser system, the carbon adsorption system, or the ammonia thermal oxidation system, the heat supply to the vessel shall be shut off and the process shall be shutdown as rapidly as possible in a manner to be protective of human health and safety.
- d. The permittee shall maintain the following spare parts in stock:
 - i. Cooling water circulation pump.
 - ii. Cooling tower packing.
 - iii. Process blower for the carbon adsorption system.
 - iv. Pulsejet dust collector filter bags and cages.

2. Emission Limitations:

- a. Mass Emission Limit Pursuant to Regulation 401 KAR 59:010 Section 3(2) particulate matter emissions shall not exceed: $3.59 \times (\text{Tons Processed})^{0.62}$ lbs/hr for (Tons processed) less than 30 tons per hour, otherwise: $17.31 \times (\text{Tons Processed})^{0.16}$ lbs/hr, averaged over a period that covers a complete operation of the batch process.
- b. Opacity Limit Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), visible emissions shall not equal or exceed 20% opacity on a 6-minute average basis.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (continued)***Compliance Demonstration Method:***

- a. During periods of normal operation of the fabric filter, no compliance demonstration is necessary.
- b. The pulse jet dust collectors shall be equipped with a particulate detector which will automatically shut down the dust collector blower and wet cake dryer in case of particulate pass-through.

3. **Testing Requirements:** Sun Chemical Corporation, Wurtland Facility shall conduct performance testing at least twice during the duration of the permit, once in first 24 months after the final permit is issued and once at least 18 months before permit renewal as required by 401 KAR 52:020 Section 12. Sun Chemical Corporation, Wurtland Facility shall conduct performance tests on the carbon adsorber, ammonia thermal oxidation system. The required tests are as follows:

- a. Carbon adsorber removal efficiency as measured by HCl emissions from the thermal oxidation system.
- b. Total VOC emission rate.
- c. Ammonia thermal oxidation system's NO_x emission rate.
- d. PCB emission rate.
- e. Dioxin/Furan emission rate.

4. **Specific Monitoring Requirements:**

The permittee shall maintain, calibrate and operate according to manufacturers' specification, a monitoring device for the continuous measurement of each of the following:

- a. The reactor temperature during the reaction cycle.
- b. The inlet and outlet temperatures of the adsorption system.
- c. The pressure drop across the carbon adsorption system.
- d. The first stage combustion temperature of the ammonia thermal oxidation system.
- e. The O₂ outlet concentration of the ammonia thermal oxidation system.
- f. The HCl outlet concentration of the ammonia thermal oxidation system.
- g. The volumetric flow rate leaving the ammonia thermal oxidation system.
- h. The pressure drop across the pulsejet dust collectors.
- i. The inlet gas temperatures to the pulsejet dust collectors.

5. **Specific Recordkeeping Requirements:**

The permittee shall maintain records of the following information:

- a. Monthly production records.
- b. Monthly hours of operation.
- c. Continuous records (on electronic data acquisition system with a minimum recording frequency of four data points or averages per hour, strip chart recorder or equivalent) of the parameters listed in **Condition 4 Specific Monitoring Requirements.**
- d. All maintenance activities performed on the Dual Bed Carbon Adsorption System, Ammonia Thermal Oxidation System and Pulse Jet Fabric Filters.
- e. HCl concentration shall be recorded also as HCl mass flow rate in lb/hr, taking into account the stack gas temperature, actual flow rate and moisture content.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

- f Replacement and restocking of the spare parts listed in **Condition 1 Operating Limitations**, Requirement d.
- g. Any shutdowns of the dust collector blower and wet cake dryer because of particulate pass-through.

6. Specific Reporting Requirements: None

7. Specific Control Equipment Operating Conditions:

- a. Dual Bed Carbon Adsorption System shall reduce hydrocarbons by at least 97% between inlet and outlet based on a three-hour compliance average.

Compliance demonstration

- i. The ammonia thermal oxidation system shall be operated as in 7.c. below.
 - ii. HCl mass flow rates shall be less than 2.9 hour on a three-hour basis.
- b. The pulse jet dust collectors shall be equipped with a particulate detector which will automatically shut down the dust collector blower and wet cake dryer in case of particulate pass-through.
- c. The ammonia thermal oxidation system shall operate at a first-stage combustion temperature of $2100^{\circ}\text{F} \pm 110^{\circ}\text{F}$. An excursion is any 3-hour period during which the average temperature was outside of this range.
- d. The O_2 outlet concentration of the ammonia thermal oxidation system shall be greater than 4%. An excursion is any 3-hour period during which the average temperature was outside of this range.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

(4) WASTEWATER PRETREATMENT PROCESS:

| KY EIS | ID | Description | Vent ID |
|---------|---------------|------------------------------------------------------|---------|
| 009 (2) | (T-45) | 1 -6,000 gallon Wastewater Collection Tank | 8 |
| 009 (2) | (T-50 & 55) | 2 -20,000 gallon Equalization Tanks | 8 |
| 009 (2) | (T-71) | 1 -30,000 gallon wastewater (dirty) backwash tank | 8 |
| 009 (2) | (T-70) | 1 -17,300 gallon wastewater (clean) backwash tank | 8 |
| | (CAW-1 & 2) | 2 -20,000 gallon carbon adsorption pressure tanks | |
| | (M-1, 2 & 5) | 3 -275 gallon Flocculant Tank | |
| 009 (1) | (T-90B & 90C) | 1 -2,000 gallon Flocculant Tank/Clarifier | 5 |
| | (M-4) | 1 -275 gallon Precipitant Tank | |
| 009 (1) | (T-90A) | 1 -200 gallon Rapid Mix Tank | 5 |
| 009 (1) | (T-91) | 1 -Clarifier | 5 |
| 005 (3) | (FP-4) | 1 -Product Slurry Recovery Press | 5 |
| 009 (1) | (T-95) | 1 -Sand Filter | 5 |
| 009(1) | (T-20) | 1 -7,000 gallon Surge Tank | 5 |
| 009 (2) | (T-21) | 1 -7,000 gallon Sludge Tank | 8 |
| 006 (1) | (T-72) | 1 -13,000 gallon Wastewater Collection/Stripper Tank | 5 |
| 009 (1) | (T-57A & 57B) | 1 - Rapid Mix Tank and Flocculator | 5 |
| 009 (1) | (T-97) | 1 - Sand Filter Clear Well | 5 |
| 009 (1) | (T-96) | 1 - 300 gallon Wastewater Collection tank | 5 |
| | (M-3 & 7) | 2 - Caustic Day Tank | |
| 009 (2) | (T-73) | 1 - Wastewater Collection Tank | 8 |

APPLICABLE REGULATIONS:

- Regulation 401 KAR 63:021 *Existing sources emitting toxic air pollutants* applies to Ammonia emission.

1. **Operating Limitations:** None

2. **Emission Limitations:** None

3. **Testing Requirements:** None

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:** None

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** Ammonia emissions from the Wastewater collection/Stripper Tank (T-72) shall be vented to the waste heat boiler.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (continued)**(5) Urea Bulk Handling System**

| KY EIS | ID | Description | Insignificant | Vent ID |
|-----------|------|--------------------|---------------|---------|
| 008 (1&2) | BH-4 | Urea Bulk Handling | No | 6 & 7 |

| |
|--------------------------|
| Control Equipment |
| (2) Fabric Filters |

APPLICABLE REGULATIONS:

- 401 KAR 59:010 *New Process Operations* constructed after July 2, 1975.

1. Operating Limitations: None**2. Emission Limitations:**

- Mass Emission Limit Pursuant to Regulation 401 KAR 59:010 Section 3(2) particulate matter emissions shall not exceed: $3.59 \times (\text{Tons Processed})^{0.62}$ lbs/hr for (Tons processed) less than 30 tons per hour, otherwise: $17.31 \times (\text{Tons Processed})^{0.16}$ lbs/hr, averaged over the batch process time.
- Opacity Limit Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), visible emissions shall not equal or exceed 20% opacity on a 6-minute average basis.

Compliance Demonstration Method:

- During periods of normal operation of the fabric filter, no compliance demonstration is necessary.
- If any of the emission units associated with a fabric filter are in operation during any period of a malfunction of the fabric filter, the permittee shall determine compliance through maintenance of the records required by Item d. under **Condition 5 Specific Recordkeeping Requirements**.

3. Testing Requirements: None

- Specific Monitoring Requirements:** The permittee shall perform a weekly visual inspection of the fabric filter system.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (continued)

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following information:

- a. Monthly throughput through the system.
- b. Monthly hours of operation.
- c. Weekly log of visual inspections of the fabric filter.
- d. During all periods of malfunction of any of the fabric filters if any of the emission units associated with each station are in operation, a daily (calendar day) log of the following information shall be kept:
 - i. Whether any air emissions were visible.
If visible emissions are observed, the permittee shall record the following information:
 - ii. Whether the visible emissions were normal for the process.
 - iii. The color of the emissions and whether the emissions were light or heavy.
 - iv. The cause of the abnormal visible emissions.
 - v. Any corrective actions taken.
- e. All routine and nonroutine maintenance activities performed on the fabric filters.

6. Specific Reporting Requirements: None

7. Specific Control Equipment Operating Conditions: None

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

(6) SULFONATED BLUE PROCESS (New Construction)

| KY EIS | ID | Description | Insignificant | Vent ID |
|---------|--------|---------------------|---------------|---------|
| 011 (1) | DS-101 | Dump Station | No | (-) |
| 011 (1) | DS-101 | CPC Dump Station | No | E020 |
| 011 (1) | FP-101 | Filter Press | Yes | (-) |
| 011 (1) | R-101 | Sulfonation Reactor | Yes | E021 |
| 011 (1) | SC-101 | Conveyor | Yes | E020 |
| 011 (1) | T-101 | Quench tank | Yes | E021 |
| 011 (1) | T-102 | ML Storage Tank | Yes | E021 |
| 011 (1) | T-110 | Oleum Storage Tank | Yes | E021 |

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|----------------------------|
| Control Equipment |
| Sulfuric Acid Scrubber |
| Dump Station Fabric Filter |

APPLICABLE REGULATIONS:

- 401 KAR 59:010 *New Process Operations* constructed after July 2, 1975.

Exemptions:

- The reactors listed above are exempt from Regulation 401 KAR 60:700 since they are part of a process unit that does not produce any of the chemicals listed under 40 CFR 60.707 and process is performed as a batch operation.
- The tanks listed above are exempt from 401 KAR 59:485. *Standards of performance for volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984 as no volatile organic liquids are being stored.*

- Operating Limitations:** None

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (continued)

2. Emission Limitations:

- a. Pursuant to Regulation 401 KAR 59:010 particulate matter emissions shall not exceed 3.59 (Tons Processed)^{0.62} lbs/hr, averaged over a period that covers a complete operation of the batch process.
- b. Opacity Limit Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), visible emissions shall not equal or exceed 20% opacity on a 6-minute average basis.

Compliance Demonstration Method:

- a. During normal operation of the fabric filter no compliance demonstration is necessary.
- b. If the dump station is in operation during any period of malfunction of the fabric filter, the permittee shall determine compliance through maintenance of the records required by Item e. under **Condition 5 Specific Recordkeeping Requirements.**

3. Testing Requirements: None

4. Specific Monitoring Requirements: The permittee shall perform a weekly visual inspection of the fabric filter system.

5. Specific Recordkeeping Requirements:

The permittee shall maintain records of the following information:

- a. Monthly throughput through the dump stations.
- b. Monthly hours of operation.
- c. Weekly log of visual inspections of the fabric filter.
- d. During all periods of malfunction of any of the fabric filters if any of the emission units associated with each station are in operation, a daily (calendar day) log of the following information shall be kept:
 - i. Whether any air emissions were visible.
If visible emissions are observed, the permittee shall record the following information:
 - ii. Whether the visible emissions were normal for the process.
 - iii. The color of the emissions and whether the emissions were light or heavy.
 - iv. The cause of the abnormal visible emissions.
 - v. Any corrective actions taken.
- e. All routine and nonroutine maintenance activities performed on the fabric filters.

6. Specific Reporting Requirements: None

7. Specific Control Equipment Operating Conditions: None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

| <u>Description</u> | <u>Generally Applicable Regulation</u> |
|------------------------------------|----------------------------------------|
| 1. Process Pipeline Equipment | None |
| 2. Tank Truck Transfer Station | None |
| 3. Water Tanks (T-103, 104, & 105) | None |
| 4. Ice Bin (TB-101) | None |
| 5. T-200 Reaction Solvent AS-P2 | None |

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. In order to preclude the applicability of Regulation 401 KAR 51:017, total emission of Volatile Organic Compounds from the original source construction (Emission areas 1, 2, 3 and 4) shall not exceed 90 tons per year based on a twelve (12) month rolling total. Compliance shall be demonstrated through compliance with the production limitation contained in Agreed Order #DAQ-17972-114 and through operation of the Carbon Bed adsorber and Ammonia Thermal oxidizer as described in **Section B (3) PRODUCTION**.
2. In order to preclude the applicability of Regulation 401 KAR 51:017, total emission of Sulfur Dioxide from the original source construction (Emission areas 1 and 3) shall not exceed 90 tons per year based on a twelve (12) month rolling total. Compliance shall be demonstrated through maintaining records of fuels combusted and Sulfur content of any fuel oil combusted.
3. In order to preclude the applicability of Regulation 401 KAR 51:017, total emission of Nitrogen Oxides and Carbon Monoxide from the original source construction (Emission areas 1 and 3) shall not exceed 90 tons per year based on a twelve (12) month rolling total. Compliance shall be demonstrated through maintaining records of fuels combusted and in proper maintenance and operation of the Ammonia Thermal Oxidizer as described in as described in **Section B - (3) PRODUCTION**.
4. The particulate, sulfur dioxide, nitrogen dioxide, opacity, carbon monoxide, and VOC emissions limitations specified herein shall be as measured by Reference Method 5, 6, 7, 9, 10, and 25, respectively, as specified in Regulation 401 KAR 50:015, Section 1 shall not exceed the respective limitations specified herein. An alternative method may be approved for measuring emissions may be used upon satisfactory demonstration to the Division for Air Quality that the alternative method will provide equivalent or better results.
5. Compliance with annual emissions and processing limitations imposed pursuant to Section 1b (I) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, and contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
6. To implement any new monitoring, record keeping, and reporting requirements included herein, the Division hereby authorizes a one hundred twenty (120) day schedule, beginning with issuance of the final permit, for the following emission units:
 - 01 Boiler-Burnham
 - 02 Boiler-Burnham
 - 03 Thermal Fluid Heater
 - 04 Thermal Fluid Heater
 - 05 Custom Build Noxidizer with Waste Heat Recovery
 - 05 CPC Blue Production Equipment
 - 08 Tank-75
 - 09 Tank-80

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
2. The permittee shall submit to the division any changes to the Standard Operating Procedures manual, which documents the changes in operating procedures and/or maintenance techniques, used to maintain the equipment in good operating condition.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements.
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement;
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of Regulation 401 KAR 52:020, Permits, Section 3(1) h the permittee shall allow the Cabinet or authorized representatives to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment) practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- d. The method used for determining the compliance status for the source, currently and over the reporting period.
- e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Regional Office
1550 Wolohan Drive, Suite #1
Ashland, KY 41102

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL CONDITIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION G - GENERAL CONDITIONS (continued)

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and

revised accordingly under the following circumstances:

- a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
- b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
- c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].
6. Any condition or portion of this permit, which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION G - GENERAL CONDITIONS (continued)

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by

reference in 401 KAR 52:020, Section 26].

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
 11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
 12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
 13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
 14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
 15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
 16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in the permit and
 - (b) Non-applicable requirements expressly identified in this permit.
- (b) Permit Expiration and Reapplication Requirements
1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall

SECTION G - GENERAL CONDITIONS (continued)

remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

2. The authority to operate granted shall cease to apply if the source fails to submit additional

information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(e) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

SECTION G - GENERAL CONDITIONS (continued)

- e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f) 1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section

24(3)].

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(f) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center

P.O. Box 3346

Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(g) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

SECTION G - GENERAL CONDITIONS (continued)

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS - NA

SECTION I - COMPLIANCE SCHEDULE - NA